

INTERNATIONAL SEARCH REPORT

Internat — Application No
PCT/US 03/33396

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D3/37

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 221 833 B1 (COLURCIELLO JR ANDREW FRANCIS) 24 April 2001 (2001-04-24) claims; example 3	1-3,7-10
X	EP 0 353 388 A (DYNA 5 INC) 7 February 1990 (1990-02-07) column 8, line 41 -column 9, line 17; claim 19	1,3,8-10
A	US 6 425 959 B1 (MAN VICTOR F) 30 July 2002 (2002-07-30) claims	1-10
A	US 4 859 359 A (DEMATTEO JOHN A ET AL) 22 August 1989 (1989-08-22) claims	1-10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A' document defining the general state of the art which is not considered to be of particular relevance
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- *O' document referring to an oral disclosure, use, exhibition or other means
- *P' document published prior to the international filing date but later than the priority date claimed

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- *Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *& document member of the same patent family

Date of the actual completion of the international search

3 March 2004

Date of mailing of the international search report

10/03/2004

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Internat Application No

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